## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 18 August 2005 (18.08.2005)

**PCT** 

## (10) International Publication Number WO 2005/075448 A3

- (51) International Patent Classification<sup>7</sup>: C07D 311/16, G01N 33/68, C07K 7/08, C12P 21/02
- (21) International Application Number:

PCT/EP2005/000950

- (22) International Filing Date: 28 January 2005 (28.01.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

04300052.0 28 January 2004 (28.01.2004) EI

- (71) Applicant (for all designated States except US): INSTITUT NATIONAL DE LA RECHERCHE MEDICALE (INSERM) [FR/FR]; 101 Rue de Tolbiac, F-75013 Paris (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GARBAY, Christiane [FR/FR]; 12 Passage de la Fonderie, F-75011 Paris (FR). BISCHOFF, Laurent [FR/FR]; 38 Rue de la Sablière, F-75014 Paris (FR). BRUN, Maris-Priscille [FR/FR]; 5 rue Jeanne Hachette, F-75015 Paris (FR).
- (74) Agents: CATHERINE, Alain et al.; Cabinet Harle et Phelip, 7 rue de Madrid, F-75008 Paris (FR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## **Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

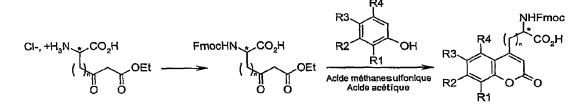
## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:

8 December 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A METHOD FOR MANUFACTURING OPTICALLY PURE COUMARYL AMINO ACIDS SALTS AND THE COUMARYL AMINO ACID SALTS THUS OBTAINED



(57) Abstract: The present invention relates to the field of the synthesis of optically pure amino acid derivatives, mainly for the purpose of manufacturing optically active polypeptides that are useful as labeled detection tools.